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(54) Title: USE OF XENON FOR THE PREVENTION OF PROGRAMMED CELL DEATH

(57) Abstract: Described is the use of xenon for preventing or reducing cellular death, preferably aberrant apoptosis. Preferred embodiments relate to the use of xenon for preventing (a) cellular damage for tissue and organs to be transplanted, (b) apoptotic cell death after eye laser surgery, and (c) for protecting endothelial cells of the intestine in sepsis.